

DII COE Integration & RunTime Specification (I&RTS)

version 4 Draft

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Purpose

- To provide information on version 4.1 of the Windows NT Chapter of the DII COE I&RTS

Outline

- Background
- Integration & Runtime Specification (I&RTS)
- Overview I&RTS v4 Chapter 7, Windows New Technology (NT)-Based Segments
- Windows 2000
- Open Issues

Background

- July 98 - Briefed DISA Chief Engineer and Deputy Commander on Interim Guidance and demonstrated InstallShield template
- July 98 - Tasked to write I&RTS Windows NT Chapter and COE Level Compliance Checklist (Appendix B)
- Aug 98 - I&RTS v3.1, Windows NT Chapter 6 and COE Level Compliance Checklists submitted to DISA
 - Eight (8) days to complete chapter 6 and checklist
- May 99 - I&RTS Windows v4 Draft, NT Chapter 7 and COE Level Compliance Checklists submitted to DISA

Integration & Runtime Specification (I&RTS)

- I&RTS V3.1, Chapter 6 was a follow on to DII COE Interim Development Guidance for Windows NT Platforms
- I&RTS V4, Chapter 7, Windows New Technology (NT)-Based Segments
 - Draft put out for comment
 - Final due out in July 1999

Overview I&RTS v4 Chapter 7, Windows New Technology (NT)-Based Segments

- 7.1 Windows NT COE Architecture
- 7.2 Windows NT COE Segmentation
- 7.3 NT-Specific COE Descriptors
- 7.4 Platform Configurations
- 7.5 Reserved Words
- 7.6 Naming Conventions
- 7.7 Network Based Client Devices
- 7.8 Programming Standards
- 7.9 Migration to Windows 2000

I&RTS v4 Chapter 7, New Sections

- 7.2.1 Segment Suites
- 7.2.3 *Segment Enterprise Distribution**
- 7.2.4 *Configuration Definitions**
- 7.4.1 Partition Structure Requirements
- 7.4.2 General Directory Structure Requirements
- 7.4.3 Segment Subdirectory Structure
- 7.4.4 Data Directory Structure
- 7.4.5 *Dynamic Host Configuration Protocol (DHCP)*
- 7.4.6 *Windows Internet Name Service (WINS)*

Note: Section not complete 7

I&RTS v4 Chapter 7, New Sections

- 7.4.9.2 Server Disk Directory Structure
- 7.4.10.2 Workstation Disk Directory Structure
- 7.6.1 Directory Names
- 7.6.3 Registry Keys
- 7.8.1 Exceptions to Windows NT Logo Handbook Requirements
- 7.8.9 Services
- 7.8.10 *Component Object Model Plus (COM+)**
- 7.8.11 Object Linking and Embedding (OLE)

*Note: * Section not complete* 8

I&RTS v4 Chapter 7, New Sections

- 7.8.12 *OLE Database (OLE DB)*
- 7.8.13 Automation
- 7.8.14 *ActiveX*
- 7.8.15 *CORBA**
- 7.8.16 Component Identification
- 7.8.17 Version Resource
- 7.8.21 Configuration Management
- 7.8.22 Network Considerations
- 7.9 *Migration to Windows 2000**

Windows 2000

- Adoption of Windows 2000 by COE -TBD
- Windows 2000 New Technologies
 - Dynamic DHCP
 - Enterprise software distribution
 - COM+ Development and Management
 - Active Directory
 - PKI and x509 Certificates
 - Windows Installer
 - Windows Management Instrumentation (WMI)

Windows 2000

- Windows 2000 New Technologies (Con't)
 - User Profile Management
 - Component Sharing
- Adoption of Windows 2000 Certification Program and the Application Specifications for Microsoft Windows 2000
 - for desktop applications
 - for distributed applications

Open Issues

- Preferred segmentation process
 - Full (DISA preferred)
 - Abbreviated (NTAG preferred)
- I&RTS NT Chapter 7 new sections not completed
- Low-light Operations